10/529202

JC06 Rec'd PCT/PTO 25 MAR 2005

Docket No. 266814US2PCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Hiroshi KAGE, et al.

SERIAL NO: New U.S. PCT Application Based on PCT/JP02/13624 GAU:

FILED: Herewith EXAMINER:

FOR: IMAGE PROCESSOR

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

■ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.

☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.

☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.

☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

■ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.

Marvin J. Spivak
Registration No. 24,913

Corwin P. Umbach, Ph.D.
Registration No. 40,211

Surinder Sachar
Registration No. 34,423

Customer Number
22850
Tel. (703) 413-3000
Fax. (703) 413-2220
(OSMMN 05/03)

Form PTO 1449 (Modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

LIST OF REFERENCES CITED BY APPLICANT

ATTY DOCKET NO.	SERIAL NO.
266814US2PCT	10/529202 New U.S. PCT Application Based on PCT/JP02/13624
APPLICANT: Hiroshi KAGE, et al.	
FILING DATE: Herewith	GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	6,370,330	04/09/02	SEKINE, Masayoshi et al.			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES	TRANSLATION NO
	AO	2002-333644	11/22/02	JP(with English abstract)		NO
	AP	5-236334	09/10/93	JP(with English abstract)		NO
	AQ	3-201877	09/03/91	JP(with English abstract and equivalent to US 5,416,557)		NO
	AR	05-75913	03/26/93	JP(with English abstract)		NO
	AS					
	AT					
	AU					
	AV					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AW	
	AX	
	AY	
	AZ	☐ Additional References sheet(s) attached

Examiner	Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

New U.S. PCT Application Based on PCT/JP02/13624
Docket No.: 266814US2PCT

STATEMENT OF RELEVANCY

1) References AO-AQ have been cited in the International Search Report. Copies of these references are being submitted herewith only when not automatically provided by the International Searching Authority.

2) References_____ have been cited in the corresponding_____ Search Report. A copy of these references is being submitted herewith.

3) References AA & AR _____are discussed in the specification. A copy of these references is being submitted here with.

4) Reference _____is additional prior art known to Applicant. A copy of these references is being submitted herewith.

AA US 6,370,330 "IMAGE SHAKE DETECTING DEVICE"

In FIG. 8, a reference numeral 20 denotes an image sensing plane. Numerals 21 and 22 denote the locations of objects obtained at a certain point of time. A reference symbol H denotes a histogram obtained in the horizontal direction from the level of the A/D converted luminance signal which is obtained at the same point of time. A symbol V denotes a histogram obtained in the vertical direction from the level of the A/D converted luminance signal which is also obtained at the same point of time. Further, reference numerals 21' and 22' denote the locations of the objects 21 and 22 obtained after the lapse of a given period of time. The reference symbols H' and V' denote histograms obtained respectively on the basis of the luminance signal level distribution obtained then in the horizontal and vertical directions. The positions of the centers of gravity SH, SV, SH' and SV' in the horizontal and vertical directions are respectively obtained from the histograms of the different points of time. Then, movement vectors GH and GV is computed on the basis of the shift of each center of gravity taking place during the lapse of time. After that, a composite vector G is computed as follows: Vector G=GH+GV. This composite vector G represents the movement of the whole image plane, thus showing the direction and the size of a shake occurred.

AR JP 05-75913 "MOTION VECTOR DETECTING CIRCUIT AND JIGGLING CORRECTING CIRCUIT"

The motion vector detector where this invention calculates the motion vector of an image as mentioned above, Two or more motion vector judging circuits which judge the dependability of the detected motion vector, The control circuit which controls other motion vector judging circuits by the data of the motion vector judging circuit of [1st] two or more motion vector judging circuits, With the data of the 1st motion vector judging circuit, and the data of other motion vector judging circuits controlled by the control circuit By preparing the motion vector decision circuit which judges the dependability of the motion vector of each field and determines the motion vector of the whole screen Required correlation data can be chosen and processed with the data of the 1st motion vector judging circuit, and motion vector detection exact and effective in the limited processing time and blurring amendment can be performed.